

STN8 USPAT

(FILE 'USPATFULL' ENTERED AT 14:40:21 ON 21 SEP 2002)

DEL HIS

- L1 44351 S (PLASMA? OR SPUTTER? OR CORONA OR GLOW(3A)DISCHARG? OR  
RIE OR  
L2 584237 S (ETCH? OR PATERN? OR PATTERN? OR REMOV?)/CLM  
L3 64523 S (RESIST# OR PHOTORESIST# OR MASK# OR PHOTOMASK#)/CLM  
L4 556939 S (STRIP? OR ASH? OR REMOV?)/CLM  
L5 638367 S (VIA# OR PLUG# OR PILLAR# OR STUD# OR CONTACT# OR  
DAMASCEN?)/  
L6 8055 S (NF3 OR NH3 OR N2O OR NF(3W)3 OR NH(3W)3 OR N(3W)2(W)O)/CLM  
L7 20061 S ((NITROUS OR NITRIC)(W)OXIDE)/CLM OR  
(NITROGEN(3W)TRIFLUORID?  
L8 13346 S L3(10A)L4  
L9 125 S L1 AND L2 AND L3 AND L4 AND L5 AND (L6 OR L7)  
L10 75 S L9 AND L8  
SET HIGH OFF  
L11 19 S L10 AND DAMASCEN?  
SET HIGH ON  
L12 19 S L10 AND L11  
L13 57 S L10 AND (ILD OR IMD OR DIELECTRIC? OR INSULAT? OR SILICAT? OR  
L14 8 S L10 AND (PSG OR BSG OR BPSG OR PBSG OR NSG OR FSG OR USG OR  
B  
L15 57 S L13 OR L14  
L16 18 S L12 AND L15  
L17 19 S L16 OR L11  
L18 19 S L12 OR L16  
L19 56 S L10 NOT L18  
L20 39 S L15 AND L19  
SAVE VIAL20/A L20

STN 8 Cas Japio Inspec, USPAT

(FILE 'HOME' ENTERED AT 11:38:48 ON 21 SEP 2002)

FILE 'CA' ENTERED AT 11:38:55 ON 21 SEP 2002

L1 2729835 S VIA# OR PLUG# OR PILLAR# OR STUD# OR DAMASCEN? OR  
CONTACT#  
L2 103804 S RESIST# OR PHOTORESIST# OR MASK# OR PHOTOMASK#  
L3 1231623 S STRIP? OR REMOV? OR ASH?  
L4 1571915 S ETCH? OR PATTERN? OR REMOV? OR PATTERN?  
L5 794 S TRENCH? AND VIA#  
L6 696 S DUAL AND DAMASCEN?  
L7 278864 S NH3 OR NF3 OR N2O OR NH(3W)3 OR NF(3W)3 OR N(W)SUB(W)2(W)O  
L8 234132 S AMMONIA# OR NITROGEN?(3A)TRIFLUORID? OR  
DINITROGEN(3A)OXIDE O

FILE 'REGISTRY' ENTERED AT 11:41:34 ON 21 SEP 2002

L9 35 S NH3/MF OR H3N/MF  
L10 28 S N2O/MF OR ON2/MF  
L11 7 S NF3/MF OR F3N/MF

FILE 'CA' ENTERED AT 11:41:59 ON 21 SEP 2002

L12 125 S L1 AND L2 AND L3 AND L4 AND (L7 OR L8 OR L9 OR L10 OR L11)  
L13 8 S L12 AND (L5 OR L6)  
L14 13939 S L3(10A)L2  
L15 3 S L13 AND L14  
L16 66 S L12 AND L14  
L17 3 S L16 AND DAMASCEN?  
L18 2 S L17 NOT L15  
L19 5 S L15 OR L18

FILE 'JAPIO' ENTERED AT 11:44:18 ON 21 SEP 2002

L20 0 S L19  
L21 0 S L13

FILE 'INSPEC' ENTERED AT 11:45:02 ON 21 SEP 2002

L22 1 S L19  
L23 2 S L21  
L24 1 S L23 NOT L22

FILE 'JAPIO' ENTERED AT 11:48:28 ON 21 SEP 2002

L25 23 S L16

FILE 'CA' ENTERED AT 11:48:56 ON 21 SEP 2002

L26 5 S L13 NOT L19  
L27 61 S L16 NOT (L13 OR L19)  
SAVE MASKL27/A L27

L28 43 S L1(P)L2(P)L3(P)L4(P)(L7 OR L8)  
L29 2 S L28(P)(L5 OR L6)  
L30 1253 S TRENCH?(P)VIA# OR DUAL(P)DAMASCEN?  
L31 2 S L28(P)L30  
L32 0 S L28(P)DAMASCEN?  
L33 2 S L31 OR L32 OR L29

FILE 'USPATFULL' ENTERED AT 11:52:11 ON 21 SEP 2002

FILE 'CA' ENTERED AT 11:52:52 ON 21 SEP 2002

L34 2 S L31 OR L32

FILE 'USPATFULL' ENTERED AT 11:53:24 ON 21 SEP 2002

L35 49 S L34  
DEL ELECTRODEL2/A  
DEL ELECTRODEL16/A  
DEL ELECTRODEL21/A  
SAVE MASKL35/A L35

FILE 'CA' ENTERED AT 11:57:41 ON 21 SEP 2002

L36 20 S L14(P)L28  
L37 18 S L36 NOT (L31 OR L32)

FILE 'USPATFULL' ENTERED AT 11:58:06 ON 21 SEP 2002

L38 213 S L37  
SET HIGH OFF  
L39 8 S L38 AND DAMASCEN?  
SET HIGH ON  
L40 8 S L38 AND L39  
L41 205 S L38 NOT L40  
SET HIGH OFF  
L42 4489 S VIA#(P)TRENCH?  
L43 8 S L41 AND L42  
SET HIGH ON  
L44 8 S L41 AND L43  
L45 197 S L41 NOT L44  
SAVE MASKL45/A L45

STN 8 Cas, Japio, Inspec, USPAT  
(FILE 'HOME' ENTERED AT 10:28:06 ON 21 SEP 2002)

FILE 'CAPLUS' ENTERED AT 10:29:05 ON 21 SEP 2002

L1 1627892 S ETCH? OR PATTERN? OR PATTERN? OR REMOV?  
L2 111627 S RESIST# OR PHOTORESIST# OR MASK# OR PHOTOMASK#  
L3 1625705 S 1ST OR 2ND OR FIRST OR SECOND OR 1 ST OR 2 ND  
L4 2850898 S VIA# OR PLUG# OR PILLAR# OR STUD# OR CONTACT# OR  
DAMASCENE?  
L5 825955 S PLASMA# OR SPUTTER? OR CORONA# OR RIE OR MERIE OR  
GLOW(3A)DIS  
L6 7209 S L2(10A)L3  
L7 244 S L1 AND L6 AND L2 AND L4 AND L5 AND L3  
L8 280391 S N2O OR NF3 OR NH3 OR NF(3W)3 OR NH(3W)3 OR N(W)SUB(W)3(W)O  
L9 255906 S N(W)SUB(W)2(W)O OR NITROGEN(3A)TRIFLUORID? OR AMMONIA?  
OR (NI

FILE 'REGISTRY' ENTERED AT 10:32:44 ON 21 SEP 2002

L10 0 S NH3/MF  
L11 35 S H3N/MF  
L12 7 S NF3/MF OR F3N/MF  
L13 28 S N2O/MF OR ON2/MF

FILE 'CA' ENTERED AT 10:33:16 ON 21 SEP 2002

L14 15 S L7 AND (L8 OR L9 OR L11 OR L12 OR L13)  
L15 2226980 S ILD OR IMD OR DIELECTRIC? OR INSULAT? OR SIO OR SIO2 OR  
SILIC  
L16 184 S L7 AND L15  
L17 12 S L14 AND L15  
L18 15 S L14 OR L17

FILE 'JAPIO' ENTERED AT 10:34:52 ON 21 SEP 2002

L19 1 S L18

FILE 'INSPEC' ENTERED AT 10:35:35 ON 21 SEP 2002

L20 0 S L18

FILE 'CA' ENTERED AT 10:38:20 ON 21 SEP 2002

L21 124 S L1(P)L6(P)L2(P)L4(P)L5(P)L3  
L22 1 S L21(P)(L8 OR L9)  
L23 0 S L22(P)L15  
L24 1 S L22 OR L23

FILE 'USPATFULL' ENTERED AT 10:39:23 ON 21 SEP 2002

L25 59 S L24